

DRILL CHUCKS.

Skinner. Geared Pattern.

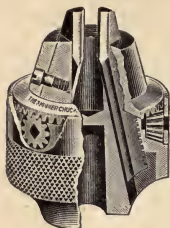


Fig. D. 1051.

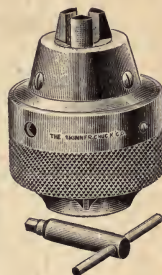


Fig. D. 1052.

Number.	Price, Each.	Capacity, Inches.	Outside Diameter, Inches.	Length of Body, Inches.	Total Length Jaws Extended, Inches.
21	\$6 00	0 to $\frac{1}{4}$	$1\frac{5}{8}$	$1\frac{11}{16}$	$2\frac{1}{8}$
22	6 00	0 to $\frac{3}{8}$	$2\frac{3}{4}$	$2\frac{1}{8}$	$2\frac{11}{16}$
23	10 00	0 to $\frac{1}{2}$	$2\frac{3}{4}$	$3\frac{1}{8}$	$4\frac{1}{16}$
24	18 00	$\frac{1}{16}$ to $\frac{3}{4}$	$3\frac{1}{2}$	$3\frac{1}{8}$	$5\frac{1}{8}$

Discount.....

SKINNER STANDARD.

Improved Pattern.

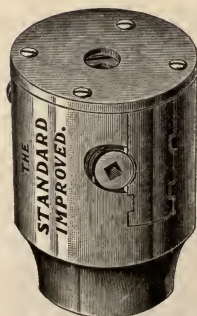


Fig. D. 1053.

This Chuck has no projecting jaws, and the plate prevents larger work than the Chuck is designed for being used. It is very powerful and guaranteed to hold true and not injure the shank of the drills. The jaws are guided by three strong gibs, and the screws are larger than in any Chuck of this description heretofore made. The jaws and screws are made from cast steel carefully tempered. The hole in the hub is made to fit taper arbor, but can be bored out and threaded to customer's templet at small cost.

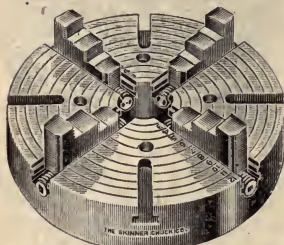
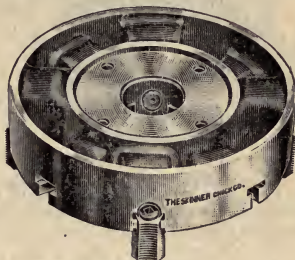
Num- ber.	Price, Each.	Capacity, Inches.	Diam- eter, Inches.	Length, Inches.
000	\$6 00	0 to $\frac{1}{4}$	$1\frac{3}{8}$	$2\frac{3}{4}$
00	6 50	0 to $\frac{3}{8}$	$1\frac{11}{16}$	$2\frac{11}{16}$
100	7 00	0 to $\frac{1}{2}$	$2\frac{3}{4}$	$2\frac{11}{16}$
101	8 00	0 to $\frac{3}{4}$	$2\frac{1}{8}$	$3\frac{3}{8}$
102	10 00	0 to 1	$3\frac{1}{16}$	$4\frac{1}{4}$

Discount.....

LATHE CHUCKS.

Skinner.

Independent, Figure 900 with Reversible Jaws.

Fig. D. 1067.
Front View.Fig. D. 1068.
Rear View.

This chuck has four solid jaws with half nut, reversible by running out of chuck at the periphery, and turning end for end. The jaws are hardened, having raised and ground steps. The face of chuck is ground true to straight edge and is accurately graduated in inches. Now fitted with "Hardened Steel Bearings" for the jaw adjusting screws, insuring the chuck long life.

The above illustration shows a 12-inch chuck. The smaller chucks have no slot in face, but in the larger sizes have additional slots.

Number	Rated Size, Inches.	Will Hold About, Inches.	Approximate Weight, Lbs.	Price, Each.
904	4½	6	10	\$ 14 00
906	6	7½	17	18 00
908	8	9½	34	22 00
909	9	11½	42	24 00
910	10	12½	49	26 00
912	12	14½	80	30 00
914	14	16½	105	34 00
915	15	18	122	36 00
916	16	19	133	38 00
918	18	21	175	44 00
920	20	23	195	50 00
921	21	24	215	55 00
922	22	25	226	57 00
924	24	27	270	65 00
926	26	29	315	80 00
928	28	31	340	100 00
930	30	35	485	120 00
936	36	41	715	210 00

Discount

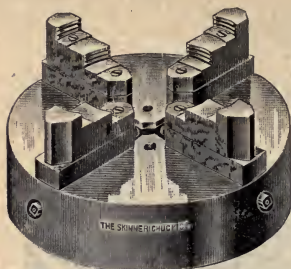


Fig. D. 1069. Front View.

A Combination Chuck is a combination of a Universal and Independent Chuck. The jaws may be operated universally or independent as desired. These Chucks are also furnished in the Universal pattern, three or four-jawed and with other style jaws if desired.

LATHE CHUCKS.

Skinner.
Combination with Reversible Jaws.

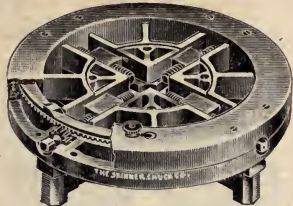


Fig. D. 1070. Back View.

Number.		Rated size Inches.	Will Hold. About, Inches.	Price Each.	
3-Jaw.	4-Jaw.			3-Jaw.	4-Jaw
603J		3	3½	18 00	
604J	804J	4	4½	22 00	26 00
605J	805J	5	5½	25 00	30 00
606J	806J	6	7½	26 00	32 00
608J	808J	8	8½	30 00	38 00
609J	809J	9	9½	34 00	42 00
612J	812J	12	12½	44 00	56 00
615J	815J	15	16½	52 00	64 00
618J	818J	18	18½	62 00	75 00
621J	821J	21	21½	80 00	95 00
624J	824J	24	25	100 00	120 00
626J	826J	26	28½	130 00	160 00
630J	830J	30	31½	170 00	200 00
636J	836J	36	37	230 00	285 00
642J	842J	42	42½	270 00	325 00

Discount.....

SKINNER FACE PLATE JAWS.

Fig. D. 1071.
(Enlarged Cut.)

There is a rib 1½-inch wide on the bottom of these jaws cast solid with body, which can be fitted to slot in face plate. The rib adds strength to the jaws.

Size.....inches	6	8	10	12	14
Length of Body, ins.	6	8	10	12	14
“ Over All, “	9½	11½	14½	16½	18½
Height of Body, “	3½	4	4½	4½	5
Width “ “ “	3½	4½	4½	4½	4½
Length of Sliding Jaw.....ins.	5½	6½	7½	7½	9
Width of Sliding Jaw.....ins.	1½	2	2	2	2
Weight per Set of Four Jaws...lbs.	100	185	240	270	375
Price per Set of Three.....	\$36 00	45 00	60 00	90 00	120 00
Price per Set of Four.....	48 00	60 00	80 00	120 00	160 00

Discount.....

SKINNER TWO-JAW CHUCKS.

Style "Q" Jaws.

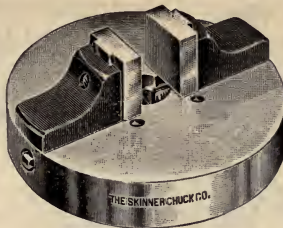


Fig. D. 1072.

Furnished in the Universal, Combination or Independent pattern, and recommended for holding odd shaped pieces, which need a bearing all around, any delicate work which would be crushed if gripped at points. One set of machined steel slip jaws are furnished with each Chuck, and extra pairs of slip jaws of machinery or tool steel can be furnished.

Used largely by brass workers.

Use these Numbers in ordering.			Rated Size of Chuck, Inches.	Price, Each.	Extra Slip Jaws Machinery Steel, Per Set.
Universal.	Combina- tion.	Inde- pendent.			
204 G	504 G	704 G	4	\$22 00	\$1 75
205 G	505 G	705 G	5	23 00	1 75
206 G	506 G	706 G	6	24 00	2 00
208 G	508 G	708 G	8	30 00	3 00
209 G	509 G	709 G	9	32 00	3 00
212 G	512 G	712 G	12	42 00	3 50
215 G	515 G	715 G	15	50 00	4 00

Discount.....

No. 27 Universal Box Body with Slip Jaws.

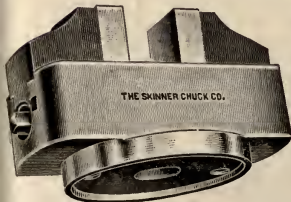


Fig. D. 1073.

Nominal Size and Length of Body,ins.	7	9	12	15	18
Width of Body, ins.	3½	4	4½	5	5½
Width of Jaws, " "	1½	2	2½	2½	2½
Face of Body to Top of Jawsins.	1½	2	2½	3½	6
Price.....each	\$24 00	30 00	36 00	42 00	60 00
Price, Extra Mach. Steel Slip Jawseach	1 00	1 25	1 25	1 50	2 00

Chuck with hub for threading to screw on lathe spindle can be furnished if desired.

Above also furnished in Independent pattern
No. 28.

Discount.....

SKINNER PLANER CHUCKS.

Round Swivel Base.

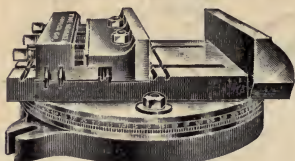


Fig. D. 1074.

Square Base.

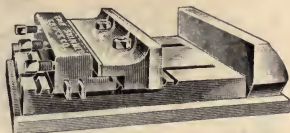


Fig. D. 1075.

Round Swivel Base Chuck.

Size Chuck, No.	Price, Each.	Length of Jaw, *Inches.	Depth of Jaw, *Inches.	Jaws will Open, *Inches.	Space Required, Inches.
6	\$ 25 00	7	1 1/2	3 1/2	10
8	30 00	9	1 1/2	5	11 1/2
10	36 00	11	2	6	14
12	40 00	13	2	8	16
15	50 00	15 1/2	2	9 1/2	20
18	60 00	18	2	11 1/2	22
24	90 00	24 1/2	2	16	26
30	140 00	30 1/2	3	21 1/2	33

Square Base Chuck.

Size Chuck, No.	Price, Each.	Space Required, Inches.
6	\$ 20 00	7 1/2 x 11
8	25 00	9 x 12 1/2
10	30 00	11 x 15
12	35 00	13 x 17
15	45 00	15 1/2 x 21
18	55 00	18 1/2 x 24
24	75 00	24 1/2 x 28
30	120 00	30 1/2 x 34

*Round swivel base and square base, same dimensions.

Round base chucks have a rib 1 1/4 inches wide cast on bottom to fit in planer table.

Square base chucks have a flange on all sides for clamping to planer table. A wrench is furnished with each chuck.

Discount.....

SKINNER DRILL PRESS VISE.

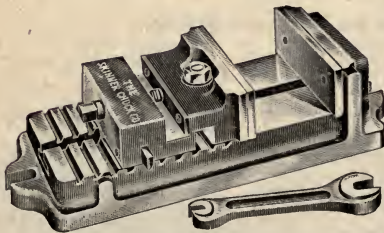


Fig. D. 1076.

The jaws are faced with steel. Nuts and screws are hardened. Vise is provided with lugs so that it may be tipped on the side for drilling holes at right angles.

It is a very handy tool to have in the machine shop.

Discount.....

Size.....inches	4 1/2	5 1/2
Width of Jaws.....inches	4 1/2	5 1/2
Depth of Jaws....."	2	2
Jaws Open....."	5	6
Space Required....."	14x5 1/2	15x6
Approximate Shipping Wt. lbs.	35	45
Price.....each	\$15 00	\$18 00

A forged steel wrench is furnished with each vise.